

STEREO Ahead (STA) Status:

1. The following Ground System anomalies/events occurred during this reporting period:

- On day 232, during the DSS-14 support, telemetry was delayed by one hour until 2155z due to an X-band maser problem. The SSR pointers were repositioned prior to the outage. The telemetry outage and pointer repositioning eventually resulted in 8.1 hours of SECCHI data loss on day 234. The turbo decoder lock was lost intermittently between 2306z and 2307z. The turbo decoder anomaly resulted in the loss of 752 frames of SSR data. The transmitter tripped offline at 2319z, but had no impact on operations since all command activity was complete. See DRs #G114169, #N109083, and #G114171 respectively for more information.
- On day 234, during the DSS-43 support, telemetry was lost from 235-0013z through 235-0021z due to the antenna brakes being applied. Also, the turbo decoder lock was lost intermittently beginning at 235-0047z through 235-0049z. These anomalies resulted in the loss 28337 frames of SSR data. See DR #C109507 for more information.
- On day 235, during the DSS-24 support, turbo decoder lock was lost intermittently beginning at 1433z through 1741z. This anomaly resulted in the loss of 337 frames of SSR data. See DR #N109084 for more information.

2. The following spacecraft/instrument events occurred during this week:

- On day 234, the SSR science partitions filled as follows:

SECCHI (Part 19) reached 100% full at 0829z for 5.7 hours.
SECCHI (Part 19) reached 100% full at 1821z for 2.4 hours.

The cause was the DSS-14 antenna problem and SSR pointer repositioning on DOY 232.
- The average daily SSR playback volume for Ahead was 3.4 Gbits during this week.

STEREO Behind (STB) Status:

1. The following Ground System anomalies/events occurred during this reporting period:

- On day 231, during the DSS-15 support, turbo decoder lock was lost briefly at 2220z. This anomaly resulted in the loss of one frame of SSR data.
- On day 232, during the DSS-65 support, turbo decoder lock was lost briefly at 1300z. This anomaly resulted in the loss of four frames of SSR data.
- On day 233, during the DSS-63 support, turbo decoder lock was lost intermittently beginning at 1637z through 1849z. This anomaly resulted in the loss of 3668 frames of SSR data. See DR #M107482 for more information.
- On day 234, during the DSS-14 support, telemetry was delayed by eight minutes until 1628z due to maintenance for a transmitter problem. Commanding was not conducted because the transmitter remained red for the entire track. This anomaly resulted in the loss of six minutes of SSR playback data. See DR #G114188 for more information.
- On day 236, during the DSS-25 support, turbo decoder lock was lost intermittently beginning at 2127z through 237-0017z. This anomaly resulted in the loss of 6065 frames of SSR data. See DR #G114195 for more information.

2. The following spacecraft/instrument events occurred during this week:

- On day 234, the SECCHI instrument reset at 17:12:29z. The SECCHI team reconfigured the instrument to operational mode at 235-1600z. This was the 21st reset of SECCHI on the Behind spacecraft.
- The average daily SSR playback volume for Behind was 3.3 Gbits during this week.